

Euro-Navigator 55 GPS Receiver



Introduction

The Euro-Navigator 55 GPS Receiver is designed for use together with the Carcomm PDA Cradle Series, but also can be used in a wide range of other applications. The receiver simultaneously tracks up to twelve satellites, provides accurate satellite positioning data with fast time-to-first-fix (TTFF) and low power consumption. It is designed for high performance and maximum flexibility in a wide range of applications including mobile asset tracking, in-vehicle automotive guidance, navigation, location sensing, telematics and so on.



Features

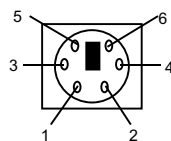
- Automatic cold start with no user initialization required
- Compact design suitable for applications requiring small space
- Fast TTFF and low power consumption
- Full navigation accuracy achievable with Standard Positioning Service
- On-board rechargeable battery sustained real-time clock and memory for fast satellite acquisition during power-up
- Optimized for navigation in urban-canyon environments
- Supports NMEA-0183 protocol
- Twelve parallel tracking channels

Specifications

Accuracy	Position: 25m CEP without S/A Velocity: 0.1/sec without S/A
Acquisition	Cold start: < 150sec (typical) Warm start: < 45sec (typical) Hot start: < 15sec
Antenna	On-Board Patch Antenna
Connector	PS/2 Male
Current Consumption	125mA @ 5V
Date	219 standard date, default WGS-84
Dimensions	79mm / 49mm / 18mm
Dynamics	Altitude: -1000m to 18000m Velocity: 500m/sec Acceleration: $\pm 4g$
General	L1 frequency, C/A code, 12-channel
NMEA Message	GGA, GLL, GSA, GSV, RMC, and VTG
Operating Humidity	5% to 95%
Operation Temperature	-20°C to +75°C
Primary Power	+3.8V ~ 8V DC
Protocol	NMEA-0183 v2.20 @ 4800/9600 baud, 8-None-1
Reacquisition	<100msec
Sensitivity	-165 dBW minimum

Signal Name	PS/2 Pin
Power In 5V	4
TX	6
RX	2
Ground	3

PS/2 Male Frontview



Contents

- ENAV-55 GPS Receiver
- Surface Cleaner
- Hook & Loop Tape
- Dual Sided Tape